1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

\* expression

'hello' string

-87.8 float

- expression

/ expression

+ expression

6 integer

2. What is the difference between string and variable?

String is a type of a variable.

3. Describe three different data types.

Integer is for whole numbers

Bool is for true or false

String is for any text

4. What is an expression made up of? What do all expressions do?

Expressions are representations of value

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

They are different from statement in the fact that statements do something while expressions are representation of a value. For example, any string is also an expressions since it represents the value of the string as well.

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

The variable still contains 22.

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

“spamspamspam”

8. Why is eggs a valid variable name while 100 is invalid?

No numbers on the beginning of a variable name are allowed.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

int(), float(), str()

10. Why does this expression cause an error? How can you fix it?

'I have eaten ' + 99 + ' burritos.'

You try to concatenate a string with an integer. That is not allowed.

Solution: “I have eaten” + “99” + “burritos”